

COARSE AGGREGATE RESULTS - 2008

VENDOR:**AGGREGATE INDUSTRIES****SOURCE:****GREEN STREET QUARRY****LOCATION:****WRENTHAM, MA****Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	93.7	100.0	100.0
1/2"	30.5	86.9	100.0
3/8"	10.2	31.3	95.8
#4	1.6	1.9	31.2
#8	1.4	1.4	3.9

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	95.22
1/2"	91.03
3/8"	92.50

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	34.20
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

AGGREGATE INDUSTRIES

SOURCE:

GREEN STREET QUARRY

LOCATION:

WRENTHAM, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.638	2.635	2.634
Specific Gravity (S.S.D.):	2.647	2.647	2.646
Apparent Specific Gravity:	2.663	2.667	2.667
Absorption:	0.35	0.45	0.47

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:

% LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

SM - LO RUSSO

SOURCE:

ELYSIUM QUARRY

LOCATION:

WRENTHAM, MA.

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	98.9	100.0	100.0
1/2"	31.2	94.2	100.0
3/8"	4.4	24.6	97.1
#4	0.7	1.7	13.7
#8	0.6	0.9	0.8

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	88.74
1/2"	86.95
3/8"	86.97

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	14.11
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

SM - LO RUSSO

SOURCE:

ELYSIUM QUARRY

LOCATION:

WRENTHAM, MA.

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.692	2.684	2.691
Specific Gravity (S.S.D.):	2.705	2.698	2.704
Apparent Specific Gravity:	2.727	2.723	2.727
Absorption:	0.49	0.54	0.50

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:
J.H. LYNCH

SOURCE:
FIRST ST. QUARRY

LOCATION:
CUMBERLAND, RI

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	96.6	100.0	100.0
1/2"	26.0	92.4	100.0
3/8"	5.1	39.5	99.1
#4	1.4	3.7	28.8
#8	1.2	1.6	2.7

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	99.52
1/2"	96.97
3/8"	97.43

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	14.59
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:
J.H. LYNCH

SOURCE:
FIRST ST. QUARRY

LOCATION:
CUMBERLAND, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.906	2.895	2.963
Specific Gravity (S.S.D.):	2.913	2.907	2.978
Apparent Specific Gravity:	2.927	2.929	3.006
Absorption:	0.24	0.40	0.48

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE: % LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8" 0.77

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:
PJ KEATING

SOURCE:
PHENIX AVENUE QUARRY

LOCATION:
CRANSTON, RI

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	100.0	100.0	100.0
1/2"	80.9	99.7	100.0
3/8"	27.4	85.2	93.2
#4	5.1	17.8	22.7
#8	4.4	6.0	4.8

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	96.85
1/2"	97.68
3/8"	95.66

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	24.99
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:
PJ KEATING

SOURCE:
PHENIX AVENUE QUARRY

LOCATION:
CRANSTON, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.733	2.765	2.691
Specific Gravity (S.S.D.):	2.744	2.779	2.710
Apparent Specific Gravity:	2.765	2.806	2.743
Absorption:	0.43	0.53	0.70

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE: % LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8" 0.56

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

**DRY BRIDGE SAND and
STONE**

SOURCE:

SLOCUM PIT

LOCATION:

NORTH KINGSTOWN, RI

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	95.2	100.0	100.0
1/2"	11.1	62.6	99.5
3/8"	2.1	5.2	72.0
#4	1.6	1.5	10.2
#8	1.4	1.3	2.7

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	89.45
1/2"	89.96
3/8"	89.54

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	35.65
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

**DRY BRIDGE SAND and
STONE**

SOURCE:

SLOCUM PIT

LOCATION:

NORTH KINGSTOWN, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.625	2.629	2.610
Specific Gravity (S.S.D.):	2.644	2.652	2.634
Apparent Specific Gravity:	2.676	2.690	2.674
Absorption:	0.73	0.86	0.91

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

RAWSON SAND and GRAVEL

SOURCE:

CHASE PIT

LOCATION:

PUTNAM, CT

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	98.9	100.0	100.0
1/2"	22.3	92.1	100.0
3/8"	5.4	44.6	98.3
#4	2.5	6.3	40.9
#8	2.0	3.5	14.4

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	95.16
1/2"	96.05
3/8"	103.46

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	22.10
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

RAWSON SAND and GRAVEL

SOURCE:

CHASE PIT

LOCATION:

PUTNAM, CT

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.601	2.594	2.592
Specific Gravity (S.S.D.):	2.623	2.619	2.620
Apparent Specific Gravity:	2.660	2.660	2.667
Absorption:	0.85	0.96	1.08

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:
PJ KEATING

SOURCE:
SOUTH MAIN ST. QUARRY

LOCATION:
ACUSHNET, MA

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	97.0	100.0	100.0
1/2"	30.2	92.4	100.0
3/8"	7.0	37.0	96.2
#4	2.8	3.9	23.8
#8	2.5	2.8	3.9

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	102.41
1/2"	100.03
3/8"	101.58

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	23.97
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:
PJ KEATING

SOURCE:
SOUTH MAIN ST. QUARRY

LOCATION:
ACUSHNET, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.876	2.826	2.834
Specific Gravity (S.S.D.):	2.888	2.844	2.857
Apparent Specific Gravity:	2.911	2.877	2.898
Absorption:	0.42	0.62	0.78

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE: % LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8" 0.49

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:**AGGREGATE IND. - TAUNTON****SOURCE:****WHITTENDON QUARRY****LOCATION:****TAUNTON, MA****Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	89.0	100.0	100.0
1/2"	17.4	84.7	100.0
3/8"	3.0	35.5	97.9
#4	1.1	1.2	36.4
#8	0.9	1.0	8.8

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	92.78
1/2"	91.77
3/8"	90.92

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	16.90
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

AGGREGATE IND. - TAUNTON

SOURCE:

WHITTENDON QUARRY

LOCATION:

TAUNTON, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.693	2.690	2.698
Specific Gravity (S.S.D.):	2.706	2.706	2.717
Apparent Specific Gravity:	2.728	2.734	2.749
Absorption:	0.48	0.60	0.68

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE:

% LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in**

Aggregate

AASHTO T-11

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:**BROX INDUSTRIES - HUDSON****SOURCE:****HUDSON QUARRY****LOCATION:****HUDSON, NH****Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	99.0	100.0	100.0
1/2"	51.1	91.7	100.0
3/8"	24.5	34.8	100.0
#4	10.2	3.3	34.1
#8	5.3	2.2	6.8

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	95.60
1/2"	88.74
3/8"	90.52

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	37.13
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:**BROX INDUSTRIES - HUDSON****SOURCE:****HUDSON QUARRY****LOCATION:****HUDSON, NH****Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.583	2.573	2.548
Specific Gravity (S.S.D.):	2.605	2.602	2.580
Apparent Specific Gravity:	2.642	2.649	2.632
Absorption:	0.86	1.11	1.25

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve****(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2008

VENDOR:**BROX INDUSTRIES - DRACUT****SOURCE:****DRACUT QUARRY****LOCATION:****DRACUT, MA****Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	97.2	100.0	100.0
1/2"	40.7	95.7	100.0
3/8"	12.9	41.5	97.4
#4	3.3	2.9	35.7
#8	2.3	1.8	3.3

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	102.88
1/2"	100.24
3/8"	99.80

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	13.51
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:**BROX INDUSTRIES - DRACUT****SOURCE:****DRACUT QUARRY****LOCATION:****DRACUT, MA****Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.888	2.872	2.853
Specific Gravity (S.S.D.):	2.899	2.884	2.869
Apparent Specific Gravity:	2.919	2.907	2.900
Absorption:	0.37	0.42	0.56

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

0.26

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in****Aggregate****AASHTO T-11****Percentage Passing #
200 sieve****(based on 3/8" nominal material)**

COARSE AGGREGATE RESULTS - 2008

VENDOR:

J.S. LANE & SON - WESTFIELD

SOURCE:

WESTFIELD QUARRY

LOCATION:

WESTFIELD, MA

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	93.7	100.0	100.0
1/2"	31.0	91.7	100.0
3/8"	10.3	27.1	91.8
#4	3.2	2.7	11.7
#8	2.3	1.5	0.7

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	100.03
1/2"	101.60
3/8"	100.10

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	12.05
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

J.S. LANE & SON - WESTFIELD

SOURCE:

WESTFIELD QUARRY

LOCATION:

WESTFIELD, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.920	2.893	2.912
Specific Gravity (S.S.D.):	2.933	2.915	2.932
Apparent Specific Gravity:	2.959	2.958	2.971
Absorption:	0.46	0.75	0.67

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

MORSE SAND and GRAVEL

SOURCE:

ATTLEBORO PIT

LOCATION:

ATTLEBORO, MA

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	97.4	100.0
1/2"	42.7	100.0
3/8"	14.5	99.2
#4	1.8	33.4
#8	1.3	4.6

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	95.57
1/2"	
3/8"	95.26

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	15.59
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

MORSE SAND and GRAVEL

SOURCE:

ATTLEBORO PIT

LOCATION:

ATTLEBORO, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.736	2.726
Specific Gravity (S.S.D.):	2.751	2.749
Apparent Specific Gravity:	2.779	2.790
Absorption:	0.57	0.83

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8" 4.65

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:
CHERENZIA

SOURCE:
OLD HOPKINTON RD. QUARRY

LOCATION:
WESTERLY, RI

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	91.8	100.0	100.0
1/2"	16.2	79.2	100.0
3/8"	5.3	32.8	99.5
#4	2.0	3.6	40.6
#8	1.5	2.3	3.0

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	89.39
1/2"	90.22
3/8"	86.57

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	35.00
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:
CHERENZIA

SOURCE:
OLD HOPKINTON RD. QUARRY

LOCATION:
WESTERLY, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.616	2.620	2.606
Specific Gravity (S.S.D.):	2.630	2.635	2.630
Apparent Specific Gravity:	2.653	2.658	2.669
Absorption:	0.53	0.55	0.90

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE: % LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8" 4.85

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

**SOUTH COUNTY SAND and
GRAVEL**

SOURCE:

CHARLESTON PIT

LOCATION:

CHARLESTON, RI

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	94.1	100.0	100.0
1/2"	12.0	79.1	100.0
3/8"	3.6	23.7	94.3
#4	2.5	3.2	19.0
#8	2.3	2.3	3.2

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	91.11
1/2"	91.44
3/8"	90.92

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	50.32
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

**SOUTH COUNTY SAND and
GRAVEL**

SOURCE:

CHARLESTON PIT

LOCATION:

CHARLESTON, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.586	2.581	2.567
Specific Gravity (S.S.D.):	2.605	2.603	2.591
Apparent Specific Gravity:	2.636	2.638	2.631
Absorption:	0.74	0.83	0.95

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE: % LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8" 5.38

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

TILCON - NEW BRITAIN

SOURCE:

NEW BRITAIN QUARRY

LOCATION:

PLAINVILLE, CT

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	1/2	3/8
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	100.0
3/4"	97.0	100.0	100.0
1/2"	28.6	89.6	100.0
3/8"	7.5	40.1	92.8
#4	1.6	3.0	19.0
#8	1.3	1.8	3.5

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	102.73
1/2"	101.25
3/8"	102.67

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	10.66
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

TILCON - NEW BRITAIN

SOURCE:

NEW BRITAIN QUARRY

LOCATION:

PLAINVILLE, CT

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.935	2.912	2.913
Specific Gravity (S.S.D.):	2.948	2.933	2.937
Apparent Specific Gravity:	2.976	2.973	2.984
Absorption:	0.47	0.71	0.81

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	
1/2" - 3/8"	2.04
3/8" - # 4	
# 4 - # 8	

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

Percentage Passing #
200 sieve
(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

WESTPORT SAND and STONE

SOURCE:

R.C. MELVILLE PIT

LOCATION:

WESTPORT, MA

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	91.7	100.0
1/2"	35.4	100.0
3/8"	4.5	90.7
#4	1.1	8.4
#8	0.9	1.0

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	89.27
1/2"	
3/8"	91.02

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE LA RESULT

Run # 1	B	35.32
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

WESTPORT SAND and STONE

SOURCE:

R.C. MELVILLE PIT

LOCATION:

WESTPORT, MA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.613	2.594
Specific Gravity (S.S.D.):	2.631	2.618
Apparent Specific Gravity:	2.660	2.657
Absorption:	0.67	0.90

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	
1/2" - 3/8"	4.79
3/8" - # 4	
# 4 - # 8	

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

WILLIAM E. DAILEY, INC.

SOURCE:

SHAFTESBURY, VT

LOCATION:

SHAFTESBURY, VT

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	98.0	100.0
1/2"	68.0	100.0
3/8"	40.5	99.4
#4	5.3	20.2
#8	2.3	4.4

**Unit Weight and Void
in Aggregate AASHTO T-19****UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	102.17
1/2"	
3/8"	98.91

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96****LA TYPE LA RESULT**

Run # 1	B	27.51
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

WILLIAM E. DAILEY, INC.

SOURCE:

SHAFTESBURY, VT

LOCATION:

SHAFTESBURY, VT

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.697	2.707
Specific Gravity (S.S.D.):	2.714	2.728
Apparent Specific Gravity:	2.744	2.766
Absorption:	0.63	0.79

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

CHERENZIA-WHITE ROCK

SOURCE:

WHITE ROCK QUARRY

LOCATION:

WESTERLY, RI

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	98.5	100.0
1/2"	52.5	100.0
3/8"	17.9	96.3
#4	2.2	17.8
#8	1.7	2.9

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	92.99
1/2"	
3/8"	89.54

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE

LA RESULT

Run # 1	B	39.34
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

CHERENZIA-WHITE ROCK

SOURCE:

WHITE ROCK QUARRY

LOCATION:

WESTERLY, RI

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.620	2.605
Specific Gravity (S.S.D.):	2.634	2.629
Apparent Specific Gravity:	2.658	2.670
Absorption:	0.55	0.94

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11****Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

DYRE

SOURCE:

DYRE QUARRY

LOCATION:

BIRDSBORO, PA

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	1/2	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	92.3	100.0
1/2"	53.0	100.0
3/8"	33.2	98.0
#4	6.2	16.3
#8	2.6	1.6

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	
1/2"	105.97
3/8"	97.93

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE

LA RESULT

Run # 1	B	16.56
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:

DYRE

SOURCE:

DYRE QUARRY

LOCATION:

BIRDSBORO, PA

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.967	2.959
Specific Gravity (S.S.D.):	2.980	2.973
Apparent Specific Gravity:	3.008	3.001
Absorption:	0.47	0.48

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE: % LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)

COARSE AGGREGATE RESULTS - 2008

VENDOR:

PCM

SOURCE:

St. Cyrille

LOCATION:

Canada

**Sieve Analysis of Fine and
Coarse Aggregate AASHTO T-27**

Nominal Aggregate Size

% Passing	3/4
2"	100.0
1 1/2"	100.0
1"	100.0
3/4"	100.0
1/2"	79.0
3/8"	57.7
#4	6.1
#8	1.2

**Unit Weight and Void
in Aggregate AASHTO T-19**

**UNIT WEIGHT
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	101.37
1/2"	
3/8"	

**Resistance to Abrasion of Small
Size Coarse Aggregate by use of
the Los Angeles Machine AASHTO T-96**

LA TYPE

LA RESULT

Run # 1	B	14.78
Run # 2	B	

COARSE AGGREGATE RESULTS - 2008

VENDOR:
PCM

SOURCE:
St. Cyrille

LOCATION:
Canada

**Specific Gravity and Absorption
of Coarse Aggregate AASHTO T-85**

AGGREGATE SIZE:

Bulk Specific Gravity:	2.760
Specific Gravity (S.S.D.):	2.788
Apparent Specific Gravity:	2.840
Absorption:	1.03

**Soundness of Aggregate by Use of
Sodium Sulfate AASHTO T-104**

SIEVE SIZE: % LOSS

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

4 - # 8

**Amount of Material Finer
than # 200 Sieve in
Aggregate AASHTO T-11**

**Percentage Passing #
200 sieve**

(based on 3/8" nominal material)